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PATENT COOPERATION TREATY

536, 890 PCT/FR2003/003785



Translation



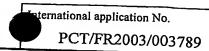
INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or example 7:	(= = 1 atiole 50 and Rule 70)					
Applicant's or agent's file reference PA1667WO	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416					
International application No. PCT/FR2003/003789	International filing date (day/month/year) 18 décembre 2003 (18.12.2003) 18 décembre 2003 (18.12.2003)					
International Patent Classification (IPC) or na B81C 1/00, B81B 3/00	18 décembre 2003 (18.12.2003) 18 décembre 2002 (18.12.2002) ational classification and IPC					
Applicant COMN	MISSARIAT A L'ENERGIE ATOMIQUE					
 This international preliminary exam Authority and is transmitted to the app 	nination report has been prepared by this International Preliminary Examining plicant according to Article 36.					
	5 sheets, including this cover sheet.					
This report is also accompanie been amended and are the best	ed by ANNEXES, i.e., sheets of the description, claims and/or drawings which have is for this report and/or sheets containing rectifications made before this Authority 07 of the Administrative Instructions under the PCT).					
These annexes consist of a total	and the felt.					
3. This report contains indications relating	g to the following items:					
I Basis of the report						
II Priority						
III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
IV Lack of unity of inven	ation					
Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;						
VI Certain documents cite	ed .					
VII Certain defects in the in	nternational application					
VIII Certain observations or	n the international application					
ate of submission of the demand	Date of completion of this report					
28 juillet 2004 (28.07.2004	19 May 2005 (19.05.2005)					
me and mailing address of the IPEA/EP	Authorized officer					
esimile No.	Telephone No.					
m PCT/IPEA/409 (cover sheet) (January 1994))					

INTERNATIONAL

LIMINARY EXAMINATION REPORT



			sheets which have been furnished to the receiving Office in response to an invitat led" and are not annexed to the report since they do not contain amendments.)
	rnational application as		
the desc	ription, pages	1-11	, as originally filed,
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	pages		, filed with the letter of
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į	International application No.		
	FR 03/03789		

V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
	The support the such Statement

۱.	Statement			· · · · · · · · · · · · · · · · · · ·
	Novelty (N)	Claims	1-7	YES
		Claims		NO
	Inventive step (IS)	Claims	1-7	YES
		Claims		NO
	Industrial applicability (IA)	Claims	1-7	YES
		Claims		NO

2. Citations and explanations

Technical field

The invention concerns a method for producing an integrated microsystem comprising a suspended planar microstructure, using a sacrificial layer made of a polymeric material.

Closest prior art

Document US-A-2002/0047172 describes a method corresponding to the preamble of claim 1, the method comprising a step of depositing a layer for forming a suspended structure on the sacrificial layer and etching an opening in the forming layer in order to remove the sacrificial layer. The suspended structure is secured to the substrate, the securing layer being planarised at the same level as the sacrificial layer.

Problem

The problem is that of preventing a lateral movement of the sacrificial layer during the subsequent annealing steps and to provide a sacrificial layer without planarisation defects.

Solution

The solution is supplied by the characterising portion of

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claim 1 and resides in the fact that the securing layer is an embedding layer arranged in such a way as to encompass the sacrificial layer. After the planarisation step, the the sacrificial layer and the embedding layer form a joint planar surface without tears.

Assessment

Neither the specific problem solved by the invention nor the solution indicated in claim 1 are known or suggested by the available prior art. The subject matter of claim 1 is therefore novel and inventive.